DESIGN	DRAWN BY	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
CHECKED	APPROVED	DRAWING NO. DSI 9330	REV. C SHEET 1 OF 2
DATE 06.08.16		TITLE CABLE GUARD INSTALLATION	SCALE NTS

A	06.04.25	NEW ISSUE
B	06.05.25	ADD AAI REF. P/N NOTE
C	06.08.16	REVISE INSTALLATION LOCATION AND ADD D205-564 BEARPAW COMPATIBILITY NOTE

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. B

REF. FAA STC: SR01583SE

REF. CANADIAN STC: SH05-37 ISSUE 1

Customers who received Dart D412-742-018 CHG 001 Cable Guard and DSI 9330 Rev. A/B must remove their kit and replace it with D412-742-018 CHG 002 Cable Guard. The D412-742-018 CHG 002 Cable Guard shall be installed as per DSI 9330 Rev. C or later approved revision.

The Dart D412-742-018 Cable Guard is designed to provide protection of the right hand skidtube and its flotation system for aircraft equipped with hoist provisions. The D412-742-018 CHG 002 Cable Guard is compatible with D412-742-011/-013 Float Skidtubes installed on either side of the aircraft. The D412-742-018 CHG 002 Cable Guard is also compatible with D412-742-011/-013 Float Skidtubes equipped with the Dart D205-564-011 Bearpaw.

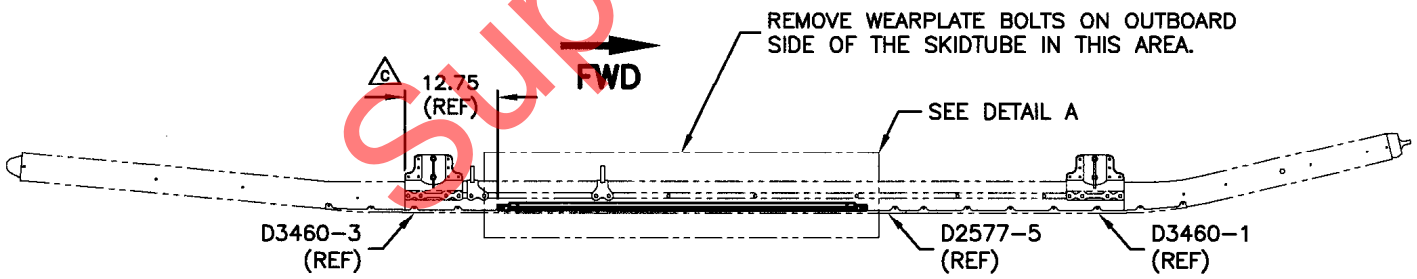
NOTE: For aircrafts equipped with Aeronautical Accessories Inc's Hoist Support Assembly 412-142-300/-350/-400 (Ref. STC No. SH3189SO and SH3190SO), the Dart D412-742-018 CHG 002 Cable Guard Kit can be used as a replacement to AAI's Skid Guard 412-153-510 when the hoist is installed with the Dart Float Skidtubes.

INSTALLATION PROCEDURE

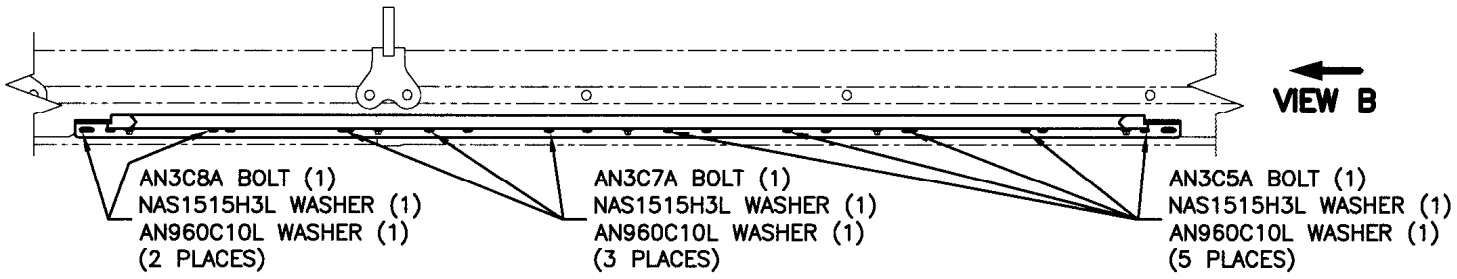
Remove and discard existing hardware securing the wearplates on the outside of the skidtube as shown. Apply a thin layer of Sikaflex-241/-291 or Proseal 890 or MIL-S-8802 Class 'B2' sealant and install the Dart D412-742-018 Cable Guard Kit using provided hardware. Ensure that all AN3 bolts that secure the Cable Guard to the skidtube are sealed with Sikaflex-241/-291 or Proseal 890 or MIL-S-8802 Class 'B2' sealant. Torque bolts to 15-25 in-lbs and apply a layer of LPS Procyon to the exposed hardware after torquing.

NOTE: For installations equipped with the Dart D205-564-011 Bearpaw, it is necessary to remove the clamps holding the bearpaw to the D412-742-011/-013 Skidtubes. Once the Cable Guard is installed in accordance with above instructions, re-install the clamps in accordance with D205-564 Installation Instructions to secure the Bearpaw.

Superseded



D412-742-013 R/H SKIDTUBE (SHOWN, -011 SIMILAR) WITH D412-742-018 CABLE GUARD (FLOAT BAGS NOT SHOWN FOR CLARITY), VIEW LOOKING INBOARD



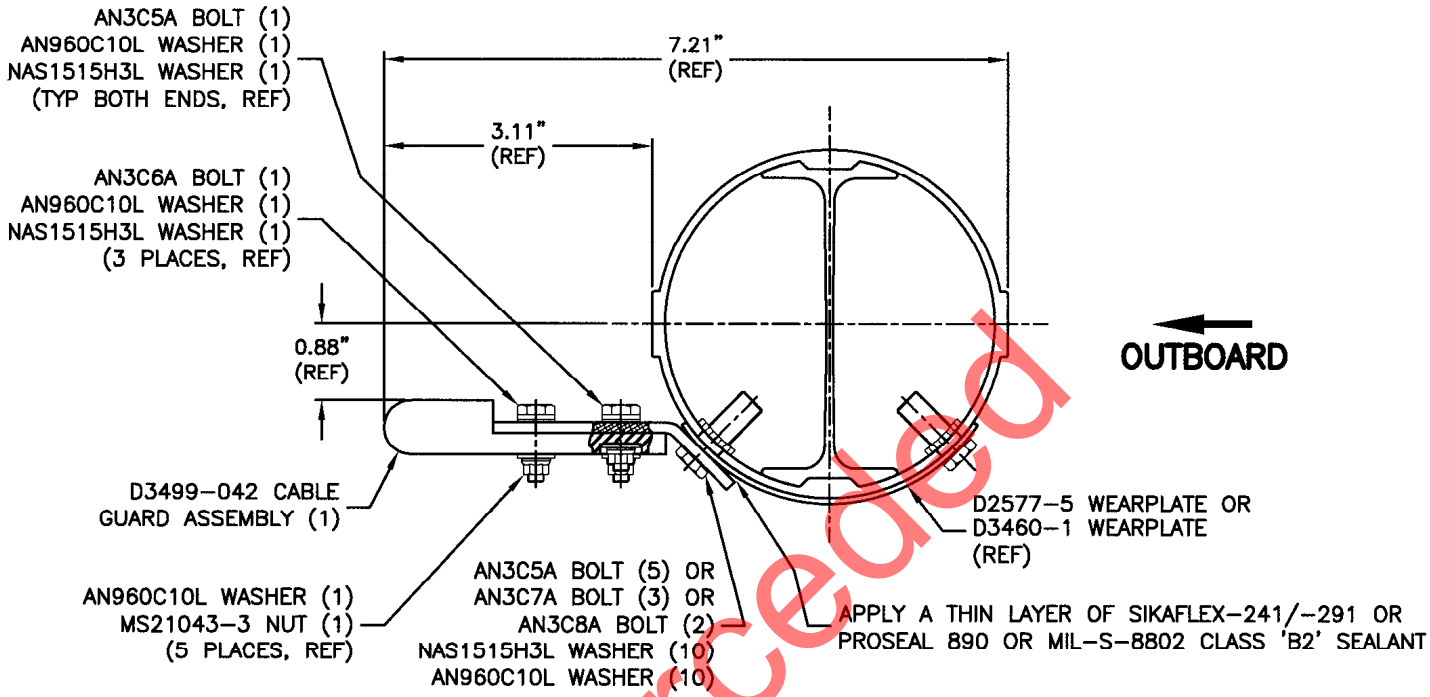
DETAIL A: CABLE GUARD INSTALLATION

(VIEWED FROM R/H SIDE OF A/C)

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CHECKED	APPROVED	DRAWING NO. DSI 9330	REV. C SHEET 2 OF 2
DATE 06.08.16		TITLE CABLE GUARD INSTALLATION	SCALE NTS



VIEW B: CABLE GUARD INSTALLATION
(VIEWED LOOKING AFT)

Superceded

WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D412-742-018 *CABLE GUARD KIT*	3.8 lb 1.72 kg	58.2 in 1.48 m	221.2 lb 2.55 m kg	+/- 128.6 in +/- 3.27 m	+/- 488.7 in lb +/- 5.62 m kg

PARTS LIST

Qty -018	Part Number	Description
X	D412-742-018	CABLE GUARD KIT
1	D3499-042	CABLE GUARD ASSEMBLY
5	AN3C5A	BOLT
3	AN3C7A	BOLT
2	AN3C8A	BOLT
10	NAS1515H3L	WASHER
10	AN960C10L	WASHER

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